

(12)特許協力条約に基づいて公開された国際出願

(19) 世界知的所有権機関
国際事務局(43) 国際公開日
2004年3月25日 (25.03.2004)

PCT

(10) 国際公開番号
WO 2004/025152 A1

- (51) 国際特許分類⁷: F16J 15/50, B62D 1/20
(21) 国際出願番号: PCT/JP2003/011550
(22) 国際出願日: 2003年9月10日 (10.09.2003)
(25) 国際出願の言語: 日本語
(26) 国際公開の言語: 日本語
(30) 優先権データ:
特願2002-264232 2002年9月10日 (10.09.2002) JP
(71) 出願人 (米国を除く全ての指定国について): 日本精工株式会社 (NSK LTD.) [JP/JP]; 〒141-8560 東京都品川区大崎1丁目6番3号 Tokyo (JP).
(72) 発明者; および
(75) 発明者/出願人 (米国についてのみ): 金澤 康夫

(KANAZAWA, Yasuo) [JP/JP]; 〒371-0853 群馬県前橋市総社町1丁目8番1号 日本精工株式会社内 Gunma (JP). 山田 潤 (YAMADA Jun) [JP/JP]; 〒371-0853 群馬県前橋市総社町1丁目8番1号 日本精工株式会社内 Gunma (JP). 柴 卓史 (SHIBA, Takashi) [JP/JP]; 〒371-0853 群馬県前橋市総社町1丁目8番1号 日本精工株式会社内 Gunma (JP).

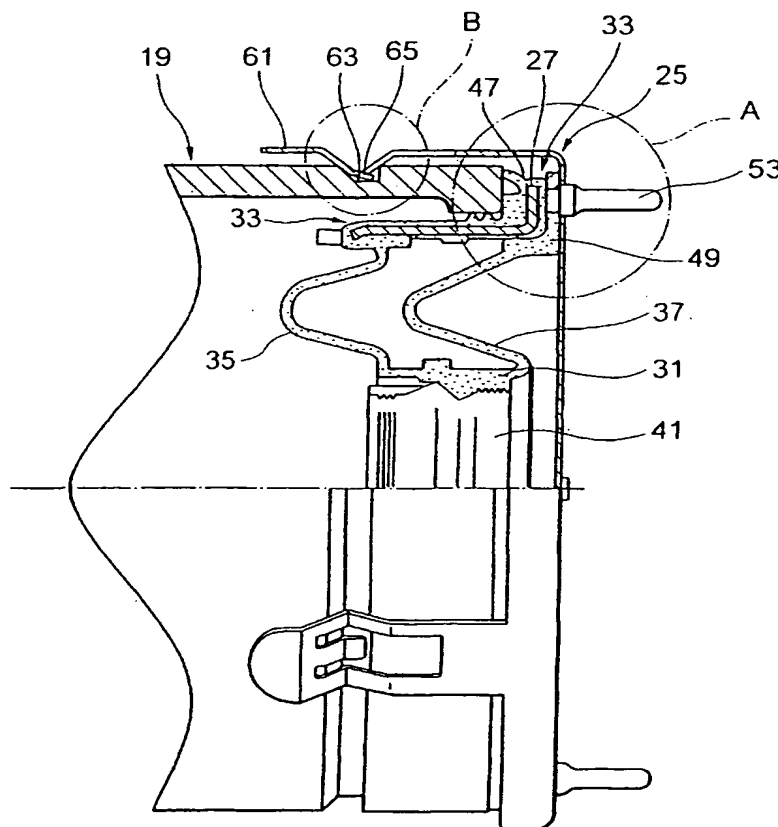
(74) 代理人: 井上 義雄 (INOUE, Yoshio); 〒103-0027 東京都中央区日本橋3丁目1番4号 画廊ビル3階 Tokyo (JP).

(81) 指定国 (国内): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,

[続葉有]

(54) Title: HOLE COVER FOR MOTOR VEHICLE

(54) 発明の名称: 車両用ホールカバー



(57) Abstract: A hole cover for a motor vehicle, provided to seal a panel in an insertion portion for a steering element. The hole cover has a steering element-penetrating portion through which the steering element penetrates, an elastic seal portion in close contact with a seal face formed on an opening edge of the panel, and a connection portion brought into press contact with the panel substantially along the axis of the steering element.

(57) 要約: ステアリング要素の挿通部におけるパネルの軸封に供される車両用ホールカバーは、ステアリング要素が貫通するステアリング貫通部を有すると共に、パネルの開口縁に形成されたシール面に密着する弾性シール部と、ステアリング要素の軸線に略沿ってパネルに圧接させられる係止部を備えている。



SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US,
UZ, VC, VN, YU, ZA, ZM, ZW.

— 請求の範囲の補正の期限前の公開であり、補正書受領の際には再公開される。

(84) 指定国 (広域): ARIPO 特許 (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), ユーラシア特許 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), ヨーロッパ特許 (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI 特許 (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

2 文字コード及び他の略語については、定期発行される各 PCT ガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

添付公開書類:

— 国際調査報告書

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/11550

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ F16J15/50, B62D1/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ F16J15/50, B62D1/20

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2003
Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	CD-ROM of the specification and drawings annexed to the request of Japanese Utility Model Application No. 89230/1992 (Laid-open No. 53826/1994) (NTN Corp.), 22 July, 1994 (22.07.94), Full text; Figs. 1 to 4 (Family: none)	1-10
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 140143/1989 (Laid-open No. 78134/1991) (NTN Corp.), 07 August, 1991 (07.08.91), Full text; Figs. 1 to 6 (Family: none)	1-10

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:
 "A" document defining the general state of the art which is not considered to be of particular relevance
 "E" earlier document but published on or after the international filing date
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed
 "I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 "&" document member of the same patent family

Date of the actual completion of the international search
15 December, 2003 (15.12.03)

Date of mailing of the international search report
13 January, 2004 (13.01.04)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/11550

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 107959/1988 (Laid-open No. 29830/1990) (Suzuki Motor Co., Ltd.), 26 February, 1990 (26.02.90), Full text; Figs. 1 to 7 (Family: none)	1-9
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 58991/1989 (Laid-open No. 149321/1990) (Furako Kabushiki Kaisha), 19 December, 1990 (19.12.90), Full text; Figs. 1 to 8 (Family: none)	1-9
Y	JP 8-295219 A (Aisin Seiki Co., Ltd.), 12 November, 1996 (12.11.96), Full text; Figs. 1 to 3 (Family: none)	4, 7, 8
Y	JP 9-156513 A (Toyoda Gosei Co., Ltd.), 17 June, 1997 (17.06.97), Full text; Figs. 1 to 9 (Family: none)	5
Y	JP 11-78912 A (Toyota Motor Corp.), 23 March, 1999 (23.03.99), Full text; Figs. 1 to 8 (Family: none)	5